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ABSTRACT

This book offers an updated look at the technologies affecting education--including the World Wide Web, wireless local area networks (LANs), multimedia, and videoconferencing--and demonstrates how those technologies can best be used in an educational setting. For each type of technology, the book assesses advantages and disadvantages, educational applications, and implementation techniques. The book includes the following chapters: (1) Teaching with New Technology; (2) Compact Disc-Read Only Memory (CD-ROM); (3) Interactive Videodisc; (4) Digital Audio; (5) Digital Images and Video; (6) Presentation and Hypermedia Programs; (7) Local Area Networks; (8) Telecommunications; (9) Teleconferencing and Distance Learning; and (10) The Computer as an Assistive Technology. Each chapter provides a scenario to illustrate implementation techniques; a summary of the topic on a copy-ready brochure that can be duplicated and distributed; and resource information including contact information about software and hardware vendors, lists of appropriate reference materials, and glossaries of terminology. Chapters are written to function independently to facilitate in-service workshops, and relevant topics are cross-referenced. Detailed graphics throughout the book illustrate hardware, software, and applications. This guide can be used as a professional resource, a guide for in-service education, or a textbook for multimedia and technology courses at the undergraduate and graduate levels. (SWC)

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